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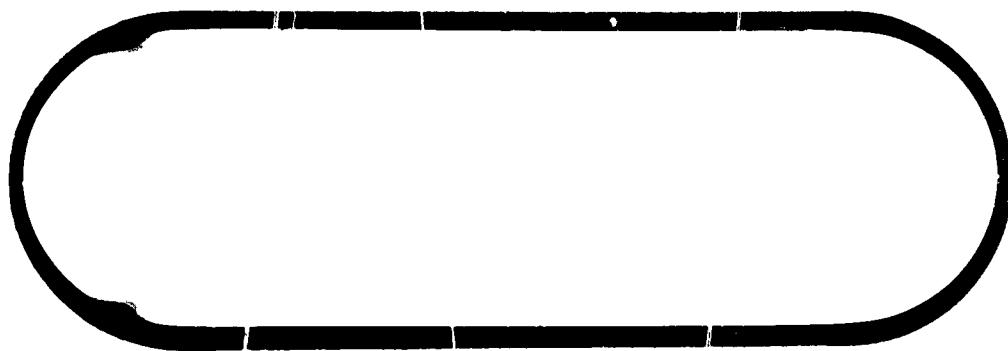
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TO BASIC DOCUMENT

ACTIVE PAGE RECORD

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MISSILE S/N <u>63-140 (677)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
GEO Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0170
Flight Control Unit	Stage 3	25174-102	AAQ0090
Motor	Stage 3	4829-7	0031157
Heat Deflector Support	Stage 3	25-25878-2	0000179
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000170
Angular Accelerometer Unit	Stage 2	25170-102	AAM0192
Battery Assembly	Stage 2	66603-107	AAV0337
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0162
Flight Control Unit	Stage 2	25173-102	AAP0165
Motor	Stage 2	366466-9	0021156
Heat Deflector Support	Stage 2	25-25877-2	0000170
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000151
Battery Assembly	Stage 1	66603-107	AAV0390
Cable Assembly-Electrical	Stage 1	25188-102	AAT0173
Flight Control Unit	Stage 1	25172-102-11	AAM0001
Motor	Stage 1	U31500-28	0011150
Heat Deflector Support	Stage 1	25-25876-2	0000179
Skirt Assembly	Stage 1	25-27207-3	0000151

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Revised 5-31-63
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THE **BOEING** COMPANY

CODE IDENT NO. 81205

NUMBER (14) D2-13945-649

TITLE (6) AIR FORCE PLANT 77 FLIGHT ARTICLE MASS PROPERTIES

REPORT FOR WING I MISSILES 649 THRU 682, (7) (9) NA

MODEL NO. SM-80 (15) CONTRACT 100 AF 04/694/146

ISSUE NO. 13 ISSUED TO Action

(16) (17) NA (18) 21 (19) A

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SUMMARY

This document is prepared in accordance with BSD Exhibit 62-110 dated 3 August 1962, "Missile Assembly Facility Requirements for Mass Properties Data." It contains the nominal sealant weight and balance summary for Wing I missiles, the weight effect of all changes incorporated at Plant 77 not reported in D2-13944-XXX, and a configuration page for each missile included in this report.

This report covers Wing I missile 649 through 682.

1.0 INTRODUCTION

1.1 REFERENCES

1.1.1 CCN 258 to AF 04(647)-580.

1.1.2 BSD Exhibit 62-110 dated 3 August 1962, Missile Assembly Facility Requirements for Mass Properties Data.

1.1.3 Boeing Document D2-13944-XXX, "Flight Article Mass Properties Report for Minuteman Wing I Components, Missiles XXX".

1.2 DISCUSSION

This Mass Properties Report is presented in accordance with Section 3.2 reference 1.1.2.

Page 7 is the nominal weight and balance summary of Boeing sealant added at Plant 77.

Page 8 of this report lists the nominal weight and balance of Autonetics sealant.

Page 9 (Boeing responsibility Change Sheet) lists all the Boeing responsibility changes incorporated in the missile at time of delivery, not reported in reference 1.1.3.

Pages 10 through 32 are Configuration Summaries listing the serial numbers of major components for missiles included in this report.

2.1 WEIGHT AND BALANCE SUMMARY WORKING SEALANT INSTALLED AT AF PLANT FT (NOMINAL WEIGHT)						REPORT NO. <u>D2-13945-649</u> DATE <u>June 1, 1963</u>				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section								
8			Silo							
9			Aero							
10	44	3rd Stage Engine			1.99	85.6	108.6	114.9		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3			2.42	60.3	105.1	105.2		
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21		Jett		1.65		60.7	102.8	102.0		
22	45	Interstage 2-3			.53	85.0	103.0	101.8		
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			1.92	112.7	109.8	117.0		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2			2.31	65.0	103.9	106.8		
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36		Jett		1.57		65.0	99.6	102.2		
37	47	Interstage 1-2			.70	94.7	102.0	103.4		
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			4.92	166.9	115.7	127.2		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt			8.44	66.3	101.7	103.0		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			23.23					
49			Silo							
50			Aero							
51			Base							
52			Jett							

2.2 WEIGHT AND BALANCE SUMMARY - AUTOMETICS SEALANT INSTALLED AT AF PLANT 77 (NOMINAL WEIGHT)						REPORT NO. D2-13945-649				
						DATE June 1, 1963				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section								
8			Silo							
9			Aero							
10	44	3rd Stage Engine			.85	118.0	100.0	100.0		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3								
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21			Jett							
22	45	Interstage 2-3								
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			1.39	170.7	100.0	100.0		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2								
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36			Jett							
37	47	Interstage 1-2								
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			1.64	293.1	100.0	100.0		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt								
45			Silo							
46			Aero							
47			Base							
48		MISSILE			3.88					
49			Silo							
50			Aero							
51			Base							
52			Jett							

3.0 BOEING CHANGES MISSILE S/N <u>649 THRU 682</u>				REPORT NO. <u>D2-13945-649</u> DATE <u>June 1, 1963</u>			
The following changes were made on the Boeing Components at Air Force Plant 77: These changes were not reported in D2-13944-XXX.							
MISSILE SECTION	ITEM AFFECTED	PART NO.	CHANGE NO.	WEIGHT CHANGE	HORIZ. C.G.	LAT. C.G.	VERT. C.G.
ECP 620							
44 4c	Inst. Kit-Electr.Cable	25-27523	ECP 620	+0.01	62.3	106.4	118.0
47 7b	I-II Interstage Instl.	25-27202	ECP 620	+0.26	50.0	100.0	100.0
49 9b	Sect. 49 Skirt Instl.	25-27208	ECP 620	+0.64	50.0	100.0	100.0
NOTE: This change was incorporated at Plant 77 only on missiles 63-173 (680) and 63-142 (682) of this report.							
ECP 540							
Raceway sealing was not accomplished on CTLI missiles 63-171 (650), 63-172 (666), and 63-173 (680) at Plant 77 per ECP 540.							
See applicable footnote section 5.0 of D2-13944-XXX							

4.1 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-130 (649)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0157
Flight Control Unit	Stage 3	25174-102	AAQ0152
Motor	Stage 3	4829-7	0031130
Heat Deflector Support	Stage 3	25-25878-2	0000116
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000118
Angular Accelerometer Unit	Stage 2	25170-102	AAM0149
Battery Assembly	Stage 2	66603-107	AAV0320
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0150
Flight Control Unit	Stage 2	25173-102	AAP0153
Motor	Stage 2	366466-9	0021136
Heat Deflector Support	Stage 2	25-25877-2	0000139
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000129
Battery Assembly	Stage 1	66603-107	AAV0309
Cable Assembly-Electrical	Stage 1	25188-102	AAR0152
Flight Control Unit	Stage 1	25172-102-11	AAN0151
Motor	Stage 1	U31500-27	0011132
Heat Deflector Support	Stage 1	25-25876-2	0000129
Skirt Assembly	Stage 1	25-27207-3	0000138
*Not installed at Plant 77			

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4.2 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-171 (650)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0159
Flight Control Unit	Stage 3	25174-102	AAQ0150
Motor	Stage 3	4829-7	0031139
Heat Deflector Support	Stage 3	25-25878-2	0000126
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000137
Angular Accelerometer Unit	Stage 2	25170-102	AAM0160
Battery Assembly	Stage 2	66603-107	AAV0334
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0029
Flight Control Unit	Stage 2	25173-102	AAP0151
Motor	Stage 2	366466-9	0021137
Heat Deflector Support	Stage 2	25-25877-2	0000130
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000136
Battery Assembly	Stage 1	66603-107	AAV0333
Cable Assembly-Electrical	Stage 1	25188-102	AAR0156
Flight Control Unit	Stage 1	25172-102-11	AAN0153
Motor	Stage 1	U31500-28	0011135
Heat Deflector Support	Stage 1	25-25876-2	0000143
Skirt Assembly	Stage 1	25-27207-3	0000126
*Not installed at Plant 77			

4.3 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-121 (651)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0152
Flight Control Unit	Stage 3	25174-102	AAQ0138
Motor	Stage 3	4829-7	0031140
Heat Deflector Support	Stage 3	25-25878-2	0000124
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000077
Angular Accelerometer Unit	Stage 2	25170-102	AAM0168
Battery Assembly	Stage 2	66603-107	AAV0311
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0149
Flight Control Unit	Stage 2	25173-102	AAP0122
Motor	Stage 2	366466-9	0021142
Heat Deflector Support	Stage 2	25-25877-2	0000125
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000139
Battery Assembly	Stage 1	66603-107	AAV0308
Cable Assembly-Electrical	Stage 1	25188-102	AAR0158
Flight Control Unit	Stage 1	25172-102-11	AAN0158
Motor	Stage 1	U31500-28	0011134
Heat Deflector Support	Stage 1	25-25876-2	0000138
Skirt Assembly	Stage 1	25-27207-3	0000118
*Not installed at Plant 77			

4.4 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-131 (652)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0154
Flight Control Unit	Stage 3	25174-102	AAQ0089
Motor	Stage 3	4829-7	0031137
Heat Deflector Support	Stage 3	25-25878-2	0000143
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000129
Angular Accelerometer Unit	Stage 2	25170-102	AAM0163
Battery Assembly	Stage 2	66603-107	AAV0355
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0153
Flight Control Unit	Stage 2	25173-102	AAP0154
Motor	Stage 2	366466-9	0021138
Heat Deflector Support	Stage 2	25-25877-2	0000056
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000143
Battery Assembly	Stage 1	66603-107	AAV0267
Cable Assembly-Electrical	Stage 1	25188-102	AAR0155
Flight Control Unit	Stage 1	25172-102-11	AAN0136
Motor	Stage 1	U31500-28	0011133
Heat Deflector Support	Stage 1	25-25876-2	0000137
Skirt Assembly	Stage 1	25-27207-3	0000123

*Not installed at Plant 77

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4.5 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-132 (654)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0155
Flight Control Unit	Stage 3	25174-102	-AAQ0154
Motor	Stage 3	4829-7	0031146
Heat Deflector Support	Stage 3	25-25878-2	0000053
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000177
Angular Accelerometer Unit	Stage 2	25170-102	AAM0174
Battery Assembly	Stage 2	66603-107	AAV0358
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0154
Flight Control Unit	Stage 2	25173-102	AAP0155
Motor	Stage 2	366466-9	0021120
Heat Deflector Support	Stage 2	25-25877-2	0000136
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000177
Battery Assembly	Stage 1	66603-107	AAV0349
Cable Assembly-Electrical	Stage 1	25188-102	AAR0161
Flight Control Unit	Stage 1	25172-102-11	AAN0111
Motor	Stage 1	U31500-28	0011136
Heat Deflector Support	Stage 1	25-25876-2	0000169
Skirt Assembly	Stage 1	25-27207-3	0000129
*Not installed at Plant 77			

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4.6 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-122 (656)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0156
Flight Control Unit	Stage 3	25174-102	AAQ0008
Motor	Stage 3	4829-7	0031143
Heat Deflector Support	Stage 3	25-25878-2	0000133
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000141
Angular Accelerometer Unit	Stage 2	25170-102	AAM0162
Battery Assembly	Stage 2	66603-107	AAV0359
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0086
Flight Control Unit	Stage 2	25173-102	AAP0030
Motor	Stage 2	366466-9	0021117
Heat Deflector Support	Stage 2	25-25877-2	0000122
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000169
Battery Assembly	Stage 1	66603-107	AAV0378
Cable Assembly-Electrical	Stage 1	25188-102	AAR0162
Flight Control Unit	Stage 1	25172-102-11	AAN0150
Motor	Stage 1	U31500-28	0011137
Heat Deflector Support	Stage 1	25-25876-2	0000177
Skirt Assembly	Stage 1	25-27207-3	0000142
*Not installed at Plant 77			

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4.7 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-133 (657)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-100-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAQ0153
Flight Control Unit	Stage 3	25174-102	AAQ0151
Motor	Stage 3	4829-7	0031136
Heat Deflector Support	Stage 3	25-25373-2	0000174
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000139
Angular Accelerometer Unit	Stage 2	25170-102	AAQ0161
Battery Assembly	Stage 2	66603-107	AAV0352
Cable Assembly-Electrical	Stage 2	25139-102-11	AAQ0152
Flight Control Unit	Stage 2	25173-102	AAQ0091
Motor	Stage 2	366466-9	0021143
Heat Deflector Support	Stage 2	25-25377-2	0000141
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000138
Battery Assembly	Stage 1	66603-107	AAV0354
Cable Assembly-Electrical	Stage 1	25180-102	AAQ0163
Flight Control Unit	Stage 1	25172-102-11	AAQ0154
Motor	Stage 1	U31500-20	0011138
Heat Deflector Support	Stage 1	25-25376-2	0000128
Skirt Assembly	Stage 1	25-27207-3	0000140
*Not installed at Plant 77			

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4.8 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-134 (659)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAW0168
Flight Control Unit	Stage 3	25174-102	AAQ0146
Motor	Stage 3	4329-7	0031144
Heat Deflector Support	Stage 3	25-25878-2	0000140
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000131
Angular Accelerometer Unit	Stage 2	25170-102	AAW0171
Battery Assembly	Stage 2	66603-107	AAV0318
Cable Assembly-Electrical	Stage 2	25171-102-11	AAQ0151
Flight Control Unit	Stage 2	25173-102	AAW0156
Motor	Stage 2	363466-9	0021150
Heat Deflector Support	Stage 2	25-25377-2	0000176
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000142
Battery Assembly	Stage 1	66603-107	AAV0145
Cable Assembly-Electrical	Stage 1	25183-102	AAW0164
Flight Control Unit	Stage 1	25172-102-11	AAW0159
Motor	Stage 1	U31500-23	0011140
Heat Deflector Support	Stage 1	25-25876-2	0000142
Skirt Assembly	Stage 1	25-27207-3	0000131
*Not installed at Plant 77			

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4.9 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-123 (661)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25120-102	AAT0164
Flight Control Unit	Stage 3	25174-102	AA00158
Motor	Stage 3	4329-7	0031141
Heat Deflector Support	Stage 3	25-25278-2	0000129
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000168
Angular Accelerometer Unit	Stage 2	25170-102	AAM0173
Battery Assembly	Stage 2	66603-107	AAV0262
Cable Assembly-Electrical	Stage 2	25139-102-11	AA30159
Flight Control Unit	Stage 2	25173-102	AA00142
Motor	Stage 2	366456-2	0021147
Heat Deflector Support	Stage 2	25-25877-2	0000138
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000178
Battery Assembly	Stage 1	66603-107	AAV0300
Cable Assembly-Electrical	Stage 1	25183-102	AAR0081
Flight Control Unit	Stage 1	25172-102-11	AAN0152
Motor	Stage 1	U31500-23	0011141
Heat Deflector Support	Stage 1	25-25876-2	0000130
Skirt Assembly	Stage 1	25-27207-3	0000143
*Not installed at Plant 77			

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4.10 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-135 (665)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-103-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AA00162
Flight Control Unit	Stage 3	25174-102	AA00155
Motor	Stage 3	4029-7	0051142
Heat Deflector Support	Stage 3	25-25878-2	0000146
Interstage Assembly-Insulated	Stage 2-3	25-27204-34	0000138
Angular Accelerometer Unit	Stage 2	25170-102	AA00146
Battery Assembly	Stage 2	66602-107	AAV0364
Cable Assembly-Electrical	Stage 2	25190-102-11	AA00155
Flight Control Unit	Stage 2	25175-102	AA00161
Motor	Stage	360466-9	0021146
Heat Deflector Support	Stage 2	25-25877-2	0000132
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000124
Battery Assembly	Stage 1	66602-107	AAV0370
Cable Assembly-Electrical	Stage 1	25190-102	AA00169
Flight Control Unit	Stage 1	25172-102-11	AA00162
Motor	Stage 1	U.1500-28	0011143
Heat Deflector Support	Stage 1	25-25876-2	0000178
Skirt Assembly	Stage 1	25-27207-3	0000141
*Not installed at Plant 77			

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4.11 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-124 (664)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&N Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0087
Flight Control Unit	Stage 3	25174-102	AAQ0147
Motor	Stage 3	4829-7	0031148
Heat Deflector Support	Stage 3	25-25878-2	0000131
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000130
Angular Accelerometer Unit	Stage 2	25170-102	AAM0177
Battery Assembly	Stage 2	66603-107	AAV0253
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0165
Flight Control Unit	Stage 2	25173-102	AAP0127
Motor	Stage 2	366466-9	0021144
Heat Deflector Support	Stage 2	25-25877-2	0000169
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000130
Battery Assembly	Stage 1	66603-107	AAV0386
Cable Assembly-Electrical	Stage 1	25188-102	AAR0165
Flight Control Unit	Stage 1	25172-102-11	AAN0046
Motor	Stage 1	U31500-28	0011145
Heat Deflector Support	Stage 1	25-25876-2	0000131
Skirt Assembly	Stage 1	25-27207-3	0000178

*Not installed at Plant 77

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4.12 CONFIGURATION SUMMARY		REPORT NO.	D2-1394-649
MISSILE S/N 63-136 (665)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 5	66602-107	*
G&T Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AATO160
Flight Control Unit	Stage 3	25174-102	AAQO156
Motor	Stage 3	4829-7	0031147
Heat Deflector Support	Stage 3	25-25878-2	0000178
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000178
Angular Accelerometer Unit	Stage 2	25170-102	AAO178
Battery Assembly	Stage 2	66603-107	AAVO380
Cable Assembly-Electrical	Stage 2	25189-102-11	AASO164
Flight Control Unit	Stage 2	25173-102	AAPO157
Motor	Stage 2	366466-9	0021152
Heat Deflector Support	Stage 2	25-25877-2	0000142
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000133
Battery Assembly	Stage 1	66603-107	AAVO360
Cable Assembly-Electrical	Stage 1	25188-102	AARO167
Flight Control Unit	Stage 1	25172-102-11	AAAO156
Motor	Stage 1	U31500-28	0011146
Heat Deflector Support	Stage 1	25-25876-2	0000081
Skirt Assembly	Stage 1	25-27207-3	0000130
*Not installed at Plant 77			

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4.13 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-172 (666)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AA0041
Flight Control Unit	Stage 3	25174-102	AA00106
Motor	Stage 3	4689-7	0031151
Heat Deflector Support	Stage 3	25-25878-2	0000170
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000143
Angular Accelerometer Unit	Stage 2	25170-102	AA00176
Battery Assembly	Stage 2	66603-107	AAV0357
Cable Assembly-Electrical	Stage 2	25189-102-11	AA00158
Flight Control Unit	Stage 2	25173-102	AA00100
Motor	Stage 2	366466-9	0021148
Heat Deflector Support	Stage 2	25-25877-2	0000144
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000144
Battery Assembly	Stage 1	66603-107	AAV0373
Cable Assembly-Electrical	Stage 1	25188-102	AA00045
Flight Control Unit	Stage 1	25172-102-11	AA00160
Motor	Stage 1	U31500-28	0011144
Heat Deflector Support	Stage 1	25-25876-2	0000170
Skirt Assembly	Stage 1	25-27207-3	0000145
*Not installed at Plant 77			

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4.14 CONFIGURATION SUMMARY
MISSILE S/N 63-125 (668)

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COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AA0169
Flight Control Unit	Stage 3	25174-102	AA0160
Motor	Stage 3	4829-7	0031152
Heat Deflector Support	Stage 3	25-25878-2	0000145
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000132
Angular Accelerometer Unit	Stage 2	25170-102	AA0187
Battery Assembly	Stage 2	66603-107	AAV0184
Cable Assembly-Electrical	Stage 2	25189-102-11	AA00094
Flight Control Unit	Stage 2	25173-102	AA00094
Motor	Stage 2	366466-9	0021126
Heat Deflector Support	Stage 2	25-25877-2	0000131
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000127
Battery Assembly	Stage 1	66603-107	AAV0367
Cable Assembly-Electrical	Stage 1	25188-102	AA0166
Flight Control Unit	Stage 1	25172-102-11	AA0161
Motor	Stage 1	U31500-28	0011142
Heat Deflector Support	Stage 1	25-25876-2	0000144
Skirt Assembly	Stage 1	25-27207-3	0000147
*Not installed at Plant 77			

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4.15 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-137 (670)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0167
Flight Control Unit	Stage 3	25174-102	AAQ0159
Motor	Stage 3	4829-7	0031149
Heat Deflector Support	Stage 3	25-25878-2	0000169
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000113
Angular Accelerometer Unit	Stage 2	25170-102	AAM0141
Battery Assembly	Stage 2	66603-107	AAV0324
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0156
Flight Control Unit	Stage 2	25173-102	AAP0159
Motor	Stage 2	366466-9	0021154
Heat Deflector Support	Stage 2	25-25877-2	0000133
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000145
Battery Assembly	Stage 1	66603-107	AAV0381
Cable Assembly-Electrical	Stage 1	25188-102	AAR0168
Flight Control Unit	Stage 1	25172-102-11	AAN0163
Motor	Stage 1	U31500-28	0011148
Heat Deflector Support	Stage 1	25-25876-2	0000139
Skirt Assembly	Stage 1	25-27207-3	0000149
*Not installed at Plant 77			

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4.16 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-138 (671)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25120-102	AAT0166
Flight Control Unit	Stage 3	25174-102	AAQ0161
Motor	Stage 3	4822-7	0031153
Heat Deflector Support	Stage 3	25-25873-2	0000141
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000144
Angular Accelerometer Unit	Stage 2	25170-102	AAW0164
Battery Assembly	Stage 2	66603-107	AAV0379
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0157
Flight Control Unit	Stage 2	25173-102	AAQ0147
Motor	Stage 2	366466-9	0021155
Heat Deflector Support	Stage 2	25-25877-2	0000145
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000146
Battery Assembly	Stage 1	66603-107	AAV0368
Cable Assembly-Electrical	Stage 1	25188-102	AAW0160
Flight Control Unit	Stage 1	25172-102-11	AAW0041
Motor	Stage 1	U31500-28	0011139
Heat Deflector Support	Stage 1	25-25876-2	0000133
Skirt Assembly	Stage 1	25-27207-3	0000148
*Not installed at Plant 77			

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4.17 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-126 (672)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
Q&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0172
Flight Control Unit	Stage 3	25174-102	AAQ0046
Motor	Stage 3	4829-7	0031156
Heat Deflector Support.	Stage 3	25-25878-2	0000135
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000148
Angular Accelerometer Unit	Stage 2	25170-102	AAM0181
Battery Assembly	Stage 2	66603-107	AAV0369
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0161
Flight Control Unit	Stage 2	25173-102	AAP0160
Motor	Stage 2	366466-9	0021153
Heat Deflector Support	Stage 2	25-25877-2	0000143
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000147
Battery Assembly	Stage 1	66603-107	AAV0385
Cable Assembly-Electrical	Stage 1	25188-102	AAR0171
Flight Control Unit	Stage 1	25172-102-11	AAN0145
Motor	Stage 1	U31500-28	0011153
Heat Deflector Support	Stage 1	25-25876-2	0000146
Skirt Assembly	Stage 1	25-27207-3	0000144
*Not installed at Plant 77			

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4.18 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-139 (673)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0163
Flight Control Unit	Stage 3	25174-102	AAQ0163
Motor	Stage 3	4829-7	0031158
Heat Deflector Support	Stage 3	25-25878-2	0000138
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000146
Angular Accelerometer Unit	Stage 2	25170-102	AAM0180
Battery Assembly	Stage 2	66603-107	AAV0372
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0092
Flight Control Unit	Stage 2	25173-102	AAP0162
Motor	Stage 2	366466-9	0021149
Heat Deflector Support	Stage 2	25-25877-2	0000178
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000148
Battery Assembly	Stage 1	66603-107	AAV0319
Cable Assembly-Electrical	Stage 1	25188-102	AAR0170
Flight Control Unit	Stage 1	25172-102-11	AAN0165
Motor	Stage 1	U31500-28	0011152
Heat Deflector Support	Stage 1	25-25876-2	0000149
Skirt Assembly	Stage 1	25-27207-3	0000132
*Not installed at Plant 77			

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4.19 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-163 (675)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0173
Flight Control Unit	Stage 3	25174-102	AAQ0165
Motor	Stage 3	4829-7	0031154
Heat Deflector Support	Stage 3	25-25878-2	0000132
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000133
Angular Accelerometer Unit	Stage 2	25170-102	AAM0179
Battery Assembly	Stage 2	66603-107	AAV0362
Cable Assembly-Electrical	Stage 2	25189-102-11	AAQ0160
Flight Control Unit	Stage 2	25173-102	AAQ0158
Motor	Stage 2	366466-9	0021151
Heat Deflector Support	Stage 2	25-25877-2	0000140
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000179
Battery Assembly	Stage 1	66603-107	AAV0400
Cable Assembly-Electrical	Stage 1	25188-102	AAQ0172
Flight Control Unit	Stage 1	25172-102-11	AAQ0164
Motor	Stage 1	U31500-28	0011147
Heat Deflector Support	Stage 1	25-25876-2	0000148
Skirt Assembly	Stage 1	25-27207-3	0000133
*Not installed at Plant 77			

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4.20 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-649</u>	
MISSILE S/N <u>63-140 (677)</u>		DATE <u>June 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
GNC Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0170
Flight Control Unit	Stage 3	25174-102	AAQ0090
Motor	Stage 3	4829-7	0031157
Heat Deflector Support	Stage 3	25-25878-2	0000179
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000170
Angular Accelerometer Unit	Stage 2	25170-102	AAM0192
Battery Assembly	Stage 2	66603-107	AAV0337
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0162
Flight Control Unit	Stage 2	25173-102	AAP0165
Motor	Stage 2	366466-9	0021156
Heat Deflector Support	Stage 2	25-25877-2	0000170
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000151
Battery Assembly	Stage 1	66603-107	AAV0390
Cable Assembly-Electrical	Stage 1	25188-102	AAR0173
Flight Control Unit	Stage 1	25172-102-11	AAN0001
Motor	Stage 1	U31500-28	0011149
Heat Deflector Support	Stage 1	25-25876-2	0000179
Skirt Assembly	Stage 1	25-27207-3	0000151
*Not installed at Plant 77.			

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4.21 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-141 (678)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0171
Flight Control Unit	Stage 3	25174-102	AAQ0166
Motor	Stage 3	4829-7	0031155
Heat Deflector Support	Stage 3	25-25878-2	0000147
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000149
Angular Accelerometer Unit	Stage 2	25170-102	AAM0190
battery Assembly	Stage 2	66603-107	AAV0314
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0163
Flight Control Unit	Stage 2	25173-102	AAP0163
Motor	Stage 2	366466-9	0021159
Heat Deflector Support	Stage 2	25-25877-2	0000149
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000170
Battery Assembly	Stage 1	66603-107	AAV0327
Cable Assembly-Electrical	Stage 1	25188-102	AAR0176
Flight Control Unit	Stage 1	25172-102-11	AAN0055
Motor	Stage 1	U31500-28	0011157
Heat Deflector Support	Stage 1	25-25876-2	0000166
Skirt Assembly	Stage 1	25-27207-3	0000150
*Not installed at Plant 77			

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4.22 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-173 (680)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0175
Flight Control Unit	Stage 3	25174-102	AAQ0157
Motor	Stage 3	4829-7	0031116
Heat Deflector Support	Stage 3	25-25878-2	0000144
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000179
Angular Accelerometer Unit	Stage 2	25170-102	AAM0194
Battery Assembly	Stage 2	66603-107	AAV0399
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0171
Flight Control Unit	Stage 2	25173-102	AAP0164
Motor	Stage 2	366466-9	0021157
Heat Deflector Support	Stage 2	25-25877-2	0000146
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000171
Battery Assembly	Stage 1	66603-107	AAV0325
Cable Assembly-Electrical	Stage 1	25188-102	AAR0174
Flight Control Unit	Stage 1	25172-102-11	AAW0155
Motor	Stage 1	U31500-28	0011156
Heat Deflector Support	Stage 1	25-25876-2	0000150
Skirt Assembly	Stage 1	25-27207-3	0000170
*Not installed at Plant 77			

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4.23 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-649
MISSILE S/N 63-142 (682)		DATE	June 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0176
Flight Control Unit	Stage 3	25174-102	AAQ0109
Motor	Stage 3	4829-7	0031159
Heat Deflector Support	Stage 3	25-25878-2	0000148
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000147
Angular Accelerometer Unit	Stage 2	25170-102	AAM0197
Battery Assembly	Stage 2	66603-107	AAV0343
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0172
Flight Control Unit	Stage 2	25173-102	AAPO167
Motor	Stage 2	366466-9	0021158.
Heat Deflector Support	Stage 2	25-25877-2	0000148
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000180
Battery Assembly	Stage 1	66603-107	AAV0338
Cable Assembly-Electrical	Stage 1	25188-102	AAPO175
Flight Control Unit	Stage 1	25172-102-11	AAPO166
Motor	Stage 1	U31500-28	0011155
Heat Deflector Support	Stage 1	25-25876-2	0000147
Skirt Assembly	Stage 1	25-27207-3	0000152
*Not installed at Plant 77			

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